# 17 > 526 Rec'd PCT/PTO 13 NOV 2000

## SEQUENCE LISTING

<110> The University of Queensland National Institute of Biological Standards and Control
<120> Novel anti-fibrinolytic agents
<130> Textilinins
<140> PCT/AU99/0XXX <141> 1999-05-10
<150> AU PP3450 <151> 1999-05-11
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cta gag ttt att tat ggt gga tgc gaa ggg aat gct aac aat ttt atc 144 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile 35 40 45
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aga gtc aga ttc cca tcc ttc tac tac aac cca gat gaa caa aaa tgc 96 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Gln Lys Cys

cta gag ttt att tat ggt gga tgc gaa ggg aat gct aac aat ttt atc 144 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile 35 40 45

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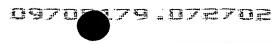
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Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Gln Lys Cys
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Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
35 40 45



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Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala 50 55

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Asn Ala Lys Ile Pro Arg Phe Tyr Tyr Asn Pro Arg Gln His Gln Cys
20 25 30

ata gag ttt ctc tat ggt gga tgc gga ggg aat gct aac aat ttt aag 144
Ile Glu Phe Leu Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
35 40 45

acc att aag gaa tgc gaa agc acc tgt gct gca tga 180
Thr Ile Lys Glu Cys Glu Ser Thr Cys Ala Ala
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8h x

Ile Glu Phe Ile Tyr Gly Gly Cys Lys Gly Asn Ala Asn Asn Phe Asn 35 40 45

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Thr Gln Glu Gln Cys Glu Ser Thr Cys Ala Ala
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Ile Glu Phe Ile Tyr Gly Gly Cys Lys Gly Asn Ala Asn Asn Phe Asn 35 40 45

Thr Gln Glu Gln Cys Glu Ser Thr Cys Ala Ala 50 55

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72

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Glu Val Leu Thr Pro Val Ser Ser Lys Asp Arg Pro Asp Phe Cys Glu -1

ctg cct gct gac acc gga cca tgt aga gtc aga ttc cca tcc ttc tac 144 Leu Pro Ala Asp Thr Gly Pro Cys Arg Val Arg Phe Pro Ser Phe Tyr 10 15

tac aac cca gat gaa aaa aag tgc cta gag ttt att tat ggt gga tgc 192 Tyr Asn Pro Asp Glu Lys Lys Cys Leu Glu Phe Ile Tyr Gly Gly Cys 25 30 35

gaa ggg aat gct aac aat ttt atc acc aaa gag gaa tgc gaa agc acc 240 Glu Gly Asn Ala Asn Asn Phe Ile Thr Lys Glu Glu Cys Glu Ser Thr 50 45

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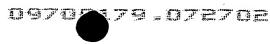
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Glu Val Leu Thr Pro Val Ser Ser Lys Asp Arg Pro Asp Phe Cys Glu



84 viti

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tgt gct gca tga

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Cys Ala Ala

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Glu Val Leu Thr Pro Val Ser Ser Lys Asp Arg Pro Asn Phe Cys Lys
20 25 30

Leu Pro Ala Glu Thr Gly Arg Cys Asn Ala Lys Ile Pro Arg Phe Tyr 35 40 45

Tyr Asn Pro Arg Gln His Gln Cys Ile Glu Phe Leu Tyr Gly Gly Cys
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Gly Gly Asn Ala Asn Asn Phe Lys Thr Ile Lys Glu Cys Glu Ser Thr 65 70 75 80

Cys Ala Ala

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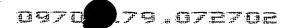
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gag gtg ctg acc ccc gtc tcc agc aag gac cat cca aaa ttc tgt gaa 96 Glu Val Leu Thr Pro Val Ser Ser Lys Asp His Pro Lys Phe Cys Glu -5 -1 1 5

ctc cct gct gaa acc gga tca tgt aaa ggc aac gtc cca cgc ttc tac 144
Leu Pro Ala Glu Thr Gly Ser Cys Lys Gly Asn Val Pro Arg Phe Tyr
10 15 20

tac aac gca gat cat cat caa tgc cta aaa ttt att tat ggt gga tgt 192



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 $\mathscr{A}_{\mathscr{A}}$ 

Tyr Asn Ala Asp His His Gln Cys Leu Lys Phe Ile Tyr Gly Gly Cys 30 gga ggg aat gct aac aat ttt aag acc ata gag gaa ggc aaa agc acc 240 Gly Gly Asn Ala Asn Asn Phe Lys Thr Ile Glu Glu Gly Lys Ser Thr tgt gct gcc tga 252 Cys Ala Ala 60 <210> 22 **<211> 83** <212> PRT <213> Pseudonaja textilis <400> 22 Met Ser Ser Gly Gly Leu Leu Leu Leu Gly Leu Leu Thr Leu Trp Glu Val Leu Thr Pro Val Ser Ser Lys Asp His Pro Lys Phe Cys Glu Leu Pro Ala Glu Thr Gly Ser Cys Lys Gly Asn Val Pro Arg Phe Tyr Tyr Asn Ala Asp His His Gln Cys Leu Lys Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys Thr Ile Glu Glu Gly Lys Ser Thr Cys Ala Ala <210> 23 <211> 252 <212> DNA <213> Pseudonaja textilis <220> <221> CDS <222> (1)..(252) <220> <221> sig\_peptide <222> (1)..(72) <220> <221> mat\_peptide <222> (73)..(252) <400> 23 atg tot tot gga ggt oft oft oft of of gga oft oft acc of tog Met Ser Ser Gly Gly Leu Leu Leu Leu Gly Leu Leu Thr Leu Trp

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-20

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ctg cct gct gac atc gga cca tgg gat gac ttt acc gga gcc ttc cac 144 Leu Pro Ala Asp Ile Gly Pro Trp Asp Asp Phe Thr Gly Ala Phe His

tac agc cca cgt gaa cat gaa tgc ata gag ttt att tat ggt gga tgc 192 Tyr Ser Pro Arg Glu His Glu Cys Ile Glu Phe Ile Tyr Gly Gly Cys

aaa ggg aat gct aac aac ttt aat acc caa gag caa tgc gaa agc acc 240 Lys Gly Asn Ala Asn Asn Phe Asn Thr Gln Glu Gln Cys Glu Ser Thr

tgt gct gcc tga Cys Ala Ala

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Glu Val Leu Thr Pro Val Ser Ser Lys Asp Arg Pro Lys Phe Cys Glu

Leu Pro Ala Asp Ile Gly Pro Trp Asp Asp Phe Thr Gly Ala Phe His

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Cys Ala Ala

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sense primer

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	· 5	22
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	Artificial Sequence	
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:223>	Description of Artificial Sequence: Txln1-gene	
	specific forward primer	
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	Description of Artificial Sequence: Txln1	
	gene-specific reverse primer	

9V Xvi

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<pre>27  &lt;210&gt; 43 &lt;211&gt; 408 &lt;212&gt; DNA &lt;213&gt; Pseudonaja textilis  &lt;220&gt; &lt;221&gt; CDS &lt;222&gt; (12)(191)  &lt;220&gt; &lt;221&gt; sig_peptide &lt;222&gt; (12)(83)  &lt;220&gt; &lt;221&gt; mat_peptide &lt;222&gt; (84)(191)  &lt;400&gt; 43 ggagcttcat c atg tct tct gga ggt ctt ctt ctc ctg ctg gga ctc ctc Met Ser Ser Gly Gly Leu Leu Leu Leu Gly Leu Leu -20 -15  acc ctc tgg gag gtg ctg acc ccc gtc tcc agc aag gac cgt cca gag Thr Leu Trp Glu Val Leu Thr Pro Val Ser Ser Lys Asp Arg Pro Glu -10 -5 -1 1 5  ttg tgt gaa ctg cct cct gac acc gga cca tgt aga gtc aga tcc cca Leu Cys Glu Leu Pro Pro Asp Thr Gly Pro Cys Arg Val Arg Ser Pro 10 15 20  ttcc ttc tac tac aac cca gat gaa caa aaa tgc cta gag ttt att Ser Phe Tyr Tyr Asn Pro Asp Glu Gln Lys Cys Leu Glu Phe Ile</pre>	<223> Description of Artificial Sequence:gene-specific	
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Leu Cys Glu Leu Pro Pro Asp Thr Gly Pro Cys Arg Val Arg Ser Pro  10  15  20  tcc ttc tac tac aac cca gat gaa caa aaa tgc cta gag ttt att  19  Ser Phe Tyr Tyr Asn Pro Asp Glu Gln Lys Cys Leu Glu Phe Ile	Thr Leu Trp Glu Val Leu Thr Pro Val Ser Ser Lys Asp Arg Pro Glu	8
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94 xviii

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<213> Pseudonaja textilis

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-5 -1 1 5

Leu Pro Pro Asp Thr Gly Pro Cys Arg Val Arg Ser Pro Ser Phe Tyr
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Tyr Asn Pro Asp Glu Gln Lys Cys Leu Glu Phe Ile 25 30 35